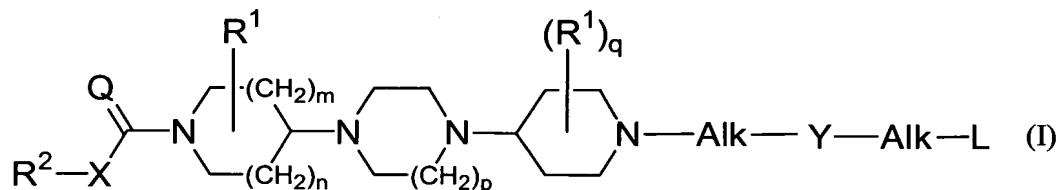


ABSTRACT

NOVEL FORMULATIONS FOR OPIOID-BASED TREATMENTS OF PAIN
 COMPRISING SUBSTITUTED 1,4-DI-PIPERIDIN-4-YL-PIPERAZINE
 5 DERIVATIVES.

This invention concerns novel formulations for opioid-based treatments of pain and/or nociception comprising opioid analgesics and 1,4-di-piperidin-4-yl-piperazine derivatives having neurokinin antagonistic activity, in particular NK₁ antagonistic 10 activity, the use of said formulation for the manufacture of a medicament for the prevention and/or treatment of emesis, pain and/or nociception, in particular in opioid-based acute and chronic pain treatments, more in particular in inflammatory, post-operative, emergency room (ER), breakthrough, neuropathic and cancer pain treatments and the use of an NK₁-receptor antagonist for the manufacture of a medicament for the 15 prevention and/or treatment of respiratory depression in opioid-based treatments of pain.

The pharmaceutical formulations according to the invention comprise a pharmaceutically acceptable carrier and, as active ingredients, a therapeutically 20 effective amount of an opioid analgesic and NK₁-antagonists according to the general Formula (I)



the pharmaceutically acceptable acid or base addition salts thereof, the stereochemically 25 isomeric forms thereof, the *N*-oxide form thereof and prodrugs thereof, wherein all substituents are defined as in Claim 1.

The pharmaceutical composition according to the invention reduces to a large extent a number of unwanted side-effects associated with opioid analgesics, in particular emesis, respiratory depression and tolerance, thereby increasing the total 30 tolerability of said opioids in pain treatment.